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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

Inventor(s): Grigorov, Ph.D., Sc.D., et al.

SC/Serial No.: Unknown

Confirm. No.: Unknown

Filed: Herewith

Title: QUANTUM DEVICES BASED ON  
CRYSTALLIZED ELECTRON PAIRS AND  
METHODS FOR THEIR MANUFACTURE  
AND USE

PATENT APPLICATION

Art Unit: Unknown

Examiner: Unknown

Customer No. 23910

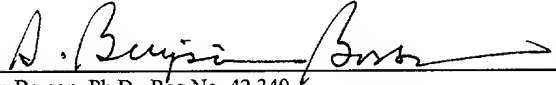
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 (Signature)  
D. Benjamin Borson, Ph.D., Reg No. 42,349  
Signature Date: January 22, 2002

## UTILITY PATENT APPLICATION TRANSMITTAL LETTER UNDER 37 C.F.R §1.53(b)

Box PATENT APPLICATION  
Commissioner for Patents  
Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application identified as follows:

Inventor(s): Leonid N. Grigorov, Ph.D., Sc.D., Andrey Krayev, and Raisa V. Talroze, Ph.D., Sc.D.

Title: QUANTUM DEVICES BASED ON CRYSTALLIZED ELECTRON PAIRS  
AND METHODS FOR THEIR MANUFACTURE AND USE

No. of pages in Specification: 84; No. of Claims: 2.No. of Sheets of Drawings: 21; Formal:       , Informal: X.

Also enclosed are:

- \_\_\_\_\_ A Declaration.
- \_\_\_\_\_ An Assignment and Recordation Form Cover Sheet.
- \_\_\_\_\_ A certified copy of a priority application.
- \_\_\_\_\_ A Power of Attorney.
- \_\_\_\_\_ A Statement Claiming Small Entity Status.
- \_\_\_\_\_ An Information Disclosure Statement under 37 C.F.R. §1.56.

The filing fee pursuant to 37 C.F.R. §1.16 is determined as follows:

No. Filed	No. Extra	Rate Small Entity/ Other Than Small Entity		
Basic Fee		\$370.00 \$740.00	=	\$370.00
Total Claims <u>2</u> - 20	= <u>0</u> *	\$ 9.00 \$ 18.00	=	\$
Independent Claims <u>2</u> - 3	= <u>0</u> *	\$ 42.00 \$ 84.00	=	\$
First Presentation of Multiple Dependent Claim(s) ____		\$140.00 \$280.00	=	\$
		Total	=	\$ _____

\*If the difference is less than zero, enter "0".

- X   Please charge Deposit Account No. 06-1325 in the amount of \$ 370. A duplicate copy of this authorization is enclosed.
- \_\_\_\_\_ A check in the amount of \$ \_\_\_\_\_ to cover the filing fee (\$ \_\_\_\_\_), and assignment recording fee (\$40.00), if applicable, is enclosed.

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☒ Any patent application processing fees under 37 C.F.R. §1.17.

\_\_\_\_\_ This application claims priority to an earlier-filed Provisional patent application, as set forth more fully in this application.

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Date: January 22, 2002

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